

=> fil hcaplus
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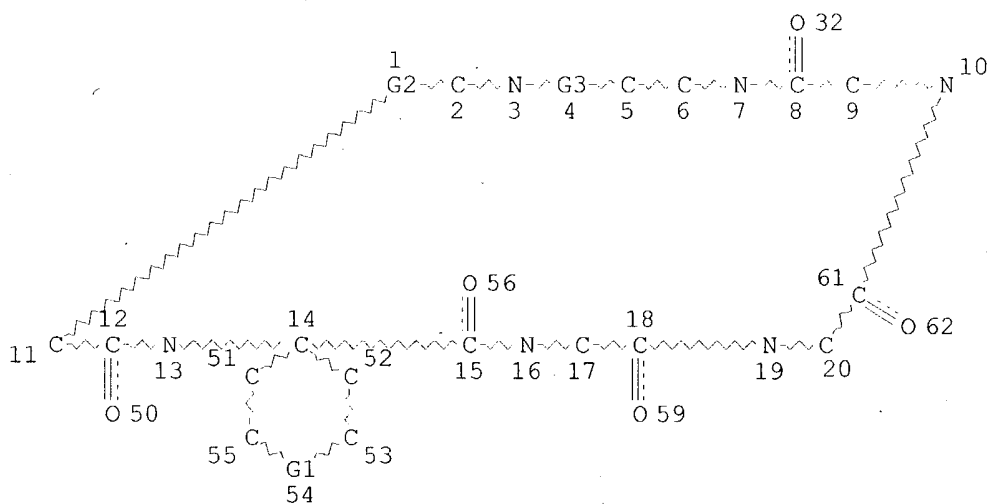
FILE COVERS 1907 - 23 Feb 2004 VOL 140 ISS 9
 FILE LAST UPDATED: 22 Feb 2004 (20040222/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

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=> d stat que 16
 L3 STR

CH~Cb N~Cb O 49 N 48
 @27 28 @29 30



VAR G1=CH2/27/29
 REP G2=(1-2) C
 REP G3=(0-3) C
 NODE ATTRIBUTES:
 DEFAULT MLEVEL IS ATOM
 DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
 RING(S) ARE ISOLATED OR EMBEDDED

NUMBER OF NODES IS 37

STEREO ATTRIBUTES: NONE

L5 37 SEA FILE=REGISTRY SSS FUL L3
L6 4 SEA FILE=HCAPLUS ABB=ON PLU=ON L5

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=> d ibib abs hitrn l6 1-4

L6 ANSWER 1 OF 4 HCAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 2003:269761 HCAPLUS

DOCUMENT NUMBER: 139:95630

TITLE: The melanocortin receptor MCR4 controls fat consumption

AUTHOR(S): Samama, Philippe; Rumennik, Leonid; Grippo, Joseph F.

CORPORATE SOURCE: Metabolic Diseases Department, Hoffmann-La Roche, Inc., Nutley, NJ, 07110, USA

SOURCE: Regulatory Peptides (2003), 113(1-3), 85-88
CODEN: REPPDY; ISSN: 0167-0115

PUBLISHER: Elsevier Science Ltd.

DOCUMENT TYPE: Journal

LANGUAGE: English

AB Melanocortins mediate the effects of leptin in the central nervous system (CNS) and regulate energy balance through the MCR3 and MCR4 receptors. Here, the authors examd. the specific role of MCR4 in modulating fat consumption. In a three-choice feeding model, the non-selective melanocortin agonist MT-II decreased fat consumption preferentially and the effect was absent in mice deficient in MCR4. Further, an agonist selective for the MCR4 subtype also decreased dietary fat intake in a MCR4-dependent manner. Thus, MCR4 activation is both necessary and sufficient for the control of dietary fat intake by melanocortin signals and may provide a pharmacol. means to control the consumption of fatty foods.

IT 511538-43-5

RL: BSU (Biological study, unclassified); BIOL (Biological study)
(melanocortin receptor MCR4 control of fat consumption)

REFERENCE COUNT: 18 THERE ARE 18 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 2 OF 4 HCAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 2002:808505 HCAPLUS

DOCUMENT NUMBER: 138:19646

TITLE: Structure-activity studies of the melanocortin peptides: Discovery of potent and selective affinity antagonists for the hMC3 and hMC4 receptors

AUTHOR(S): Grieco, Paolo; Lavecchia, Antonio; Cai, Minying; Trivedi, Devendra; Weinberg, David; MacNeil, Tanya; Van der Ploeg, L. H. T.; Hruby, Victor J.

CORPORATE SOURCE: Department of Chemistry, University of Arizona, Tucson, AZ, 85721, USA

SOURCE: Journal of Medicinal Chemistry (2002), 45(24), 5287-5294

CODEN: JMCMAR; ISSN: 0022-2623

PUBLISHER: American Chemical Society

DOCUMENT TYPE: Journal

LANGUAGE: English

AB The authors have designed and synthesized several novel cyclic SHU9119 analogs (Ac-Nle4-[Asp5-His6-DNal(2')7-Arg8-Trp9-Lys10]-NH2) modified in position 6 with nonconventional amino acids. SHU9119 is a high affinity nonselective antagonist at hMC3R and hMC4R with potent agonist activity at

hMC1R and hMC5R. The authors measured the binding affinity and agonist potency of the novel analogs at cloned hMC3R, hMC4R, and hMC5R receptors and identified several selective, high affinity hMC3R and hMC4R antagonists. Compd. 4 contg. Che substitution in position 6 is a high affinity hMC4R antagonist ($IC_{50} = 0.48$ nM) with 100-fold selectivity over hMC3R antagonist. Analog 7 with a Cpe substitution in position 6 is a high affinity hMC4R antagonist ($IC_{50} = 0.51$ nM) with a 200-fold selectivity vs. the hMC3R. Interestingly, analog 9 with an Acpc residue in position 6 is a high affinity hMC3R antagonist ($IC_{50} = 2.5$ nM) with 100-fold selectivity vs. the hMC4R antagonist based on its binding affinities. This compd. represents the first cyclic lactam antagonist with high selectivity for the hMC3R vs. hMC4R. To understand the possible structural basis responsible for selectivity of these peptides at hMCR3 and hMCR4, the authors have carried out a mol. modeling study to examine the conformational properties of the cyclic peptides modified in position 6 with conformationally restricted amino acids.

IT 477948-57-5

RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)

(melanocortin peptides binding and antagonist activity at MC3 and MC4 receptors regulation by structure)

REFERENCE COUNT: 54 THERE ARE 54 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 3 OF 4 HCAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 2002:692549 HCAPLUS

DOCUMENT NUMBER: 138:313897

TITLE: Highly selective cyclic peptides for human melanocortin-4 receptor (MC-4 R): design, synthesis, bioactive conformation, and pharmacological evaluation as an anti-obesity agent

AUTHOR(S): Danho, Waleed; Swistok, Joseph; Cheung, Adrian; Chu, Xin-Jie; Wang, Yao; Chen, Li; Bartkovitz, David; Gore, Vijay; Qi, Lida; Fry, David; Greeley, David; Sun, Hongmao; Guenot, Jeanmarie; Franco, Lucia; Kurylko, Grazyna; Rumennik, Leonid; Yagaloff, Keith

CORPORATE SOURCE: Roche Research Center, Hoffmann-La Roche Inc., Nutley, NJ, 07110, USA

SOURCE: Peptides: The Wave of the Future, Proceedings of the Second International and the Seventeenth American Peptide Symposium, San Diego, CA, United States, June 9-14, 2001 (2001), 701-703. Editor(s): Lebl, Michal; Houghten, Richard A. American Peptide Society: San Diego, Calif.

CODEN: 69DBAL; ISBN: 0-9715560-0-8

DOCUMENT TYPE: Conference

LANGUAGE: English

AB The use of a selective melanocortin receptor-4 (MCR-4) cyclic peptide agonist as a pharmacol. tool in obesity and feeding studies was evaluated, and a pharmacophore model applicable to structure-based drug design was developed. Each of the four core amino acids of the MTII MCR-4 agonist was systematically replaced with conformationally constrained amino acids to evaluate the analogs in binding and cAMP assay at the human MC-1, -3, -4, and -5 receptors. The amino acid position occupied by His is the most crit. position responsible for the selectivity of MC-4 against the other MC-receptors. A correlation was noted between high potency and the presence of a .beta. turn at position corresponding to Asp-His-(D)Phe-Arg in the parent sequence.

IT 402788-21-0 402788-28-7 402788-29-8
402788-32-3 402788-33-4 402788-43-6
402788-62-9 402788-67-4 402788-70-9
402788-75-4 511538-43-5 511540-48-0
511540-49-1

RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL
(Biological study); USES (Uses)
(design, synthesis and bioactive conformation of highly selective -
peptides for human melanocortin-4 receptor and pharmacol. evaluation as
anti-obesity agents)

REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 4 OF 4 HCAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 2002:171949 HCAPLUS

DOCUMENT NUMBER: 136:217052

TITLE: Preparation of cyclic peptides having melanocortin-4
receptor (MC4-R) agonist activity

INVENTOR(S): Chen, Li; Cheung, Adrian Wai-hing; Chu, Xin-jie;
Danho, Waleed; Swistok, Joseph; Wang, Yao; Yagaloff,
Keith Alan

PATENT ASSIGNEE(S): F. Hoffmann-La Roche Ag, Switz.

SOURCE: PCT Int. Appl., 230 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

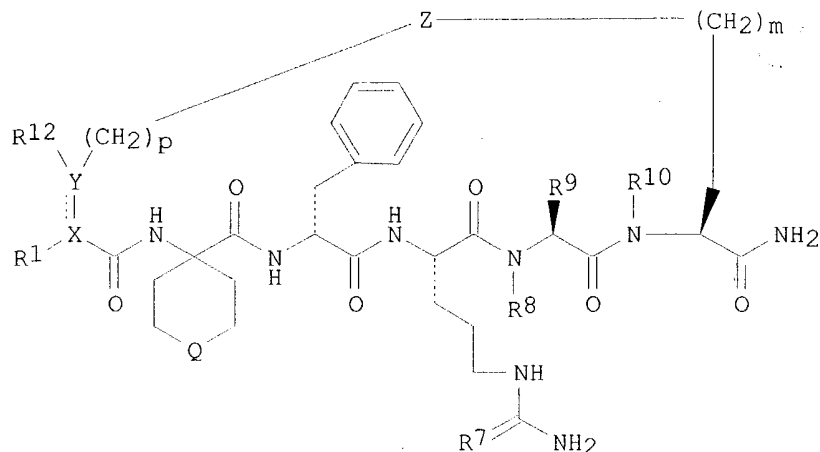
FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002018437	A2	20020307	WO 2001-EP9630	20010821
WO 2002018437	A3	20020606		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,			
	CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,			
	GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,			
	LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL,			
	PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG,			
	UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,			
	DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,			
	BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
AU 2001084026	A5	20020313	AU 2001-84026	20010821
EP 1315750	A2	20030604	EP 2001-962958	20010821
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,			
	IE, SI, LT, LV, FI, RO, MK, CY, AL, TR			
US 2002143141	A1	20021003	US 2001-939966	20010827
NO 2003000916	A	20030227	NO 2003-916	20030227
PRIORITY APPLN. INFO.:			US 2000-229184P	P 20000830
			WO 2001-EP9630	W 20010821

OTHER SOURCE(S): MARPAT 136:217052

GI



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AB The invention refers to peptides I [R1XYR12 is benzo or R1 is H, R2(NH)nCONH (R2 = alkyl, alkenyl, alkynyl; n = 0 or 1), or R2CONHCHR14CONH (R14 is alkyl); R12 is H; XY is C:C or CHCH; Q is (un)substituted methylene or phenylimino; R7 = O, NH; R8, R10 = H, Me; R9 is 3-indenylalkyl, 1- or 2-naphthyl; p = 0 or 1; m = 0-3; Z = CONH or S2], cyclized via disulfide or lactam bridges, having melanocortin-4 receptor (MC4-R) agonist activity and useful for treatment of obesity. Thus, BuCO-cyclo(Asp-Lys)-Asp-Apc-D-Phe-Arg-Trp-Lys-NH2 (Apc = 1-amino-4-phenyl-1-cyclohexanecarboxylic acid residue, Asp-Lys forms a lactam bridge) was prepd. by the solid-phase method and showed EC50 = 9.2 and 654 nM, resp., in the MC-4 and MC-1 agonist assays.

IT 402788-21-0P 402788-22-1P 402788-23-2P
 402788-24-3P 402788-25-4P 402788-26-5P
 402788-27-6P 402788-28-7P 402788-29-8P
 402788-30-1P 402788-31-2P 402788-32-3P
 402788-33-4P 402788-34-5P 402788-35-6P
 402788-36-7P 402788-37-8P 402788-38-9P
 402788-39-0P 402788-40-3P 402788-41-4P
 402788-42-5P 402788-43-6P 402788-62-9P
 402788-63-0P 402788-64-1P 402788-66-3P
 402788-67-4P 402788-69-6P 402788-70-9P
 402788-71-0P 402788-73-2P 402788-75-4P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(prepn. of cyclic peptides having melanocortin-4 receptor (MC4-R) agonist activity)

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=> fil caold

FILE 'CAOLD' ENTERED AT 16:41:48 ON 23 FEB 2004

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FILE COVERS 1907-1966

FILE LAST UPDATED: 01 May 1997 (19970501/UP)

This file contains CAS Registry Numbers for easy and accurate substance identification. Title keywords, authors, patent

assignees, and patent information, e.g., patent numbers, are now searchable from 1907-1966. TIFF images of CA abstracts printed between 1907-1966 are available in the PAGE display formats.

This file supports REGISTRY for direct browsing and searching of all substance data from the REGISTRY file. Enter HELP FIRST for more information.

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=> s 15
L7 0 L5

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=> fil reg
FILE 'REGISTRY' ENTERED AT 16:42:04 ON 23 FEB 2004
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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 22 FEB 2004 HIGHEST RN 652965-05-4
DICTIONARY FILE UPDATES: 22 FEB 2004 HIGHEST RN 652965-05-4

TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2003

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

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L5 ANSWER 1 OF 37 REGISTRY COPYRIGHT 2004 ACS on STN
RN 511540-49-1 REGISTRY
CN L-Lysinamide, N-(1-oxopentyl)-L-.alpha.-aspartyl-cis-1-amino-4-phenylcyclohexanecarbonyl-D-phenylalanyl-N5-(aminocarbonyl)-D-ornithyl-L-tryptophyl-, (1.fwdarw.6)-lactam (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
MF C54 H71 N11 O9
SR CA
LC STN Files: CA, CAPLUS

RELATED SEQUENCES AVAILABLE WITH SEQLINK

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
*** USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE ***
1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 138:313897

L5 ANSWER 2 OF 37 REGISTRY COPYRIGHT 2004 ACS on STN
RN 511540-48-0 REGISTRY
CN L-Lysinamide, N-(1-oxopentyl)-L-.alpha.-aspartyl-trans-1-amino-4-phenylcyclohexanecarbonyl-D-phenylalanyl-L-arginyl-L-tryptophyl-, (1.fwdarw.6)-lactam (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
MF C54 H72 N12 O8
SR CA
LC STN Files: CA, CAPLUS

RELATED SEQUENCES AVAILABLE WITH SEQLINK

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

*** USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE ***
1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 138:313897

L5 ANSWER 3 OF 37 REGISTRY COPYRIGHT 2004 ACS on STN
RN 511538-43-5 REGISTRY
CN L-Lysinamide, N-(1-oxopentyl)-L-.alpha.-aspartyl-cis-1-amino-4-(3-methylphenyl)cyclohexanecarbonyl-D-phenylalanyl-L-arginyl-L-tryptophyl-, (1.fwdarw.6)-lactam (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
MF C55 H74 N12 O8
SR CA
LC STN Files: CA, CAPLUS

RELATED SEQUENCES AVAILABLE WITH SEQLINK

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

*** USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE ***
2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 139:95630

REFERENCE 2: 138:313897

L5 ANSWER 4 OF 37 REGISTRY COPYRIGHT 2004 ACS on STN
RN 477948-57-5 REGISTRY
CN L-Lysinamide, N-acetyl-L-norleucyl-L-.alpha.-aspartyl-1-aminocyclohexanecarbonyl-3-(2-naphthalenyl)-D-alanyl-L-arginyl-L-tryptophyl-, (2.fwdarw.7)-lactam (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
MF C55 H75 N13 O9
SR CA
LC STN Files: CA, CAPLUS

RELATED SEQUENCES AVAILABLE WITH SEQLINK

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

*** USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE ***
1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 138:19646

L5 ANSWER 5 OF 37 REGISTRY COPYRIGHT 2004 ACS on STN

RN 402788-75-4 REGISTRY
CN 7,12,18,21,24,27-Hexaazaspiro[5.22]octacosane-17-carboxamide,
23-[3-[(aminoiminomethyl)amino]propyl]-20-[1-(1H-indol-3-yl)ethyl]-
8,11,19,22,25,28-hexaaxo-9-[(1-oxopentyl)amino]-3-phenyl-26-(phenylmethyl)-
, stereoisomer (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
MF C55 H74 N12 O8
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

RELATED SEQUENCES AVAILABLE WITH SEQLINK

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

*** USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE ***
2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 138:313897

REFERENCE 2: 136:217052

L5 ANSWER 6 OF 37 REGISTRY COPYRIGHT 2004 ACS on STN
RN 402788-73-2 REGISTRY
CN L-Lysinamide, N-(1-oxopentyl)-L-.alpha.-aspartyl-cis-4-amino[1,1'-
bicyclohexyl]-4-carbonyl-D-phenylalanyl-L-arginyl-L-tryptophyl-,
(1.fwdarw.6)-lactam (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
MF C54 H78 N12 O8
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

RELATED SEQUENCES AVAILABLE WITH SEQLINK

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

*** USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE ***
1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 136:217052

L5 ANSWER 7 OF 37 REGISTRY COPYRIGHT 2004 ACS on STN
RN 402788-71-0 REGISTRY
CN 3,7,12,18,21,24,27-Heptaazaspiro[5.22]octacosane-17-carboxamide,
23-[3-[(aminoiminomethyl)amino]propyl]-20-(1H-indol-3-ylmethyl)-3-(3-
methoxyphenyl)-8,11,19,22,25,28-hexaaxo-9-[(1-oxopentyl)amino]-26-
(phenylmethyl)-, (9S,17S,20S,23S,26R)- (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
MF C54 H73 N13 O9
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

RELATED SEQUENCES AVAILABLE WITH SEQLINK

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

*** USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE ***
1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 136:217052

L5 ANSWER 8 OF 37 REGISTRY COPYRIGHT 2004 ACS on STN
RN 402788-70-9 REGISTRY
CN 3,7,12,18,21,24,27-Heptaazaspiro[5.22]octacosane-17-carboxamide,

23-[3-[(aminoiminomethyl)amino]propyl]-20-(1H-indol-3-ylmethyl)-
8,11,19,22,25,28-hexaoxo-9-[(1-oxopentyl)amino]-3-(4-phenoxyphenyl)-26-
(phenylmethyl)-, (9S,17S,20S,23S,26R)- (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
MF C59 H75 N13 O9
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

RELATED SEQUENCES AVAILABLE WITH SEQLINK

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

*** USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE ***
2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 138:313897

REFERENCE 2: 136:217052

L5 ANSWER 9 OF 37 REGISTRY COPYRIGHT 2004 ACS on STN
RN 402788-69-6 REGISTRY
CN 3,7,12,18,21,24,27-Heptaazaspiro[5.22]octacosane-17-carboxamide,
23-[3-[(aminoiminomethyl)amino]propyl]-3-(4-chlorophenyl)-20-(1H-indol-3-
ylmethyl)-8,11,19,22,25,28-hexaoxo-9-[(1-oxopentyl)amino]-26-
(phenylmethyl)-, (9S,17S,20S,23S,26R)- (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
MF C53 H70 Cl N13 O8
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

RELATED SEQUENCES AVAILABLE WITH SEQLINK

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

*** USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE ***
1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 136:217052

L5 ANSWER 10 OF 37 REGISTRY COPYRIGHT 2004 ACS on STN
RN 402788-67-4 REGISTRY
CN 3,7,12,18,21,24,27-Heptaazaspiro[5.22]octacosane-17-carboxamide,
23-[3-[(aminoiminomethyl)amino]propyl]-20-(1H-indol-3-ylmethyl)-3-(4-
methylphenyl)-8,11,19,22,25,28-hexaoxo-9-[(1-oxopentyl)amino]-26-
(phenylmethyl)-, (9S,17S,20S,23S,26R)- (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
MF C54 H73 N13 O8
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

RELATED SEQUENCES AVAILABLE WITH SEQLINK

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

*** USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE ***
2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 138:313897

REFERENCE 2: 136:217052

L5 ANSWER 11 OF 37 REGISTRY COPYRIGHT 2004 ACS on STN
RN 402788-66-3 REGISTRY

CN 3,7,12,18,21,24,27-Heptaazaspiro[5.22]octacosane-17-carboxamide,
23-[3-[(aminoiminomethyl)amino]propyl]-20-(1H-indol-3-ylmethyl)-3-(3-
methylphenyl)-8,11,19,22,25,28-hexaoxo-9-[(1-oxopentyl)amino]-26-
(phenylmethyl)-, (9S,17S,20S,23S,26R)- (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
MF C54 H73 N13 O8
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

RELATED SEQUENCES AVAILABLE WITH SEQLINK

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

*** USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE ***

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 136:217052

L5 ANSWER 12 OF 37 REGISTRY COPYRIGHT 2004 ACS on STN
RN 402788-64-1 REGISTRY
CN 3,7,12,18,21,24,27-Heptaazaspiro[5.22]octacosane-17-carboxamide,
23-[3-[(aminoiminomethyl)amino]propyl]-20-(1H-indol-3-ylmethyl)-3-[2-(1-
methylethyl)phenyl]-8,11,19,22,25,28-hexaoxo-9-[(1-oxopentyl)amino]-26-
(phenylmethyl)-, (9S,17S,20S,23S,26R)- (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
MF C56 H77 N13 O8
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

RELATED SEQUENCES AVAILABLE WITH SEQLINK

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

*** USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE ***

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 136:217052

L5 ANSWER 13 OF 37 REGISTRY COPYRIGHT 2004 ACS on STN
RN 402788-63-0 REGISTRY
CN 3,7,12,18,21,24,27-Heptaazaspiro[5.22]octacosane-17-carboxamide,
23-[3-[(aminoiminomethyl)amino]propyl]-20-(1H-indol-3-ylmethyl)-3-(2-
methylphenyl)-8,11,19,22,25,28-hexaoxo-9-[(1-oxopentyl)amino]-26-
(phenylmethyl)-, (9S,17S,20S,23S,26R)- (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
MF C54 H73 N13 O8
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

RELATED SEQUENCES AVAILABLE WITH SEQLINK

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

*** USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE ***

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 136:217052

L5 ANSWER 14 OF 37 REGISTRY COPYRIGHT 2004 ACS on STN
RN 402788-62-9 REGISTRY
CN 3,7,12,18,21,24,27-Heptaazaspiro[5.22]octacosane-17-carboxamide,
23-[3-[(aminoiminomethyl)amino]propyl]-20-(1H-indol-3-ylmethyl)-
8,11,19,22,25,28-hexaoxo-9-[(1-oxopentyl)amino]-3-phenyl-26-(phenylmethyl)-

, (9S,17S,20S,23S,26R)- (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
MF C53 H71 N13 O8
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

RELATED SEQUENCES AVAILABLE WITH SEQLINK

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

*** USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE ***
2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 138:313897

REFERENCE 2: 136:217052

L5 ANSWER 15 OF 37 REGISTRY COPYRIGHT 2004 ACS on STN
RN 402788-43-6 REGISTRY
CN 7,12,18,21,24,27-Hexaazaspiro[5.22]octacosane-17-carboxamide,
20-(1H-indol-3-ylmethyl)-23-methyl-8,11,19,22,25,28-hexaoxo-9-[(1-oxopentyl)amino]-3-phenyl-26-(phenylmethyl)-, stereoisomer (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
MF C51 H65 N9 O8
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

RELATED SEQUENCES AVAILABLE WITH SEQLINK

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

*** USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE ***
2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 138:313897

REFERENCE 2: 136:217052

L5 ANSWER 16 OF 37 REGISTRY COPYRIGHT 2004 ACS on STN
RN 402788-42-5 REGISTRY
CN 7,12,18,21,24,27-Hexaazaspiro[5.22]octacosane-17-carboxamide,
23-[3-[(aminocarbonyl)amino]propyl]-20-(1H-indol-3-ylmethyl)-
8,11,19,22,25,28-hexaoxo-9-[(1-oxopentyl)amino]-3-phenyl-26-(phenylmethyl)-, stereoisomer (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
MF C54 H71 N11 O9
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

RELATED SEQUENCES AVAILABLE WITH SEQLINK

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

*** USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE ***
1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 136:217052

L5 ANSWER 17 OF 37 REGISTRY COPYRIGHT 2004 ACS on STN
RN 402788-41-4 REGISTRY
CN 7,12,15,18,21,24-Hexaazaspiro[5.19]pentacos-9-ene-14-carboxamide,
20-[3-[(aminoiminomethyl)amino]propyl]-17-(1H-indol-3-ylmethyl)-

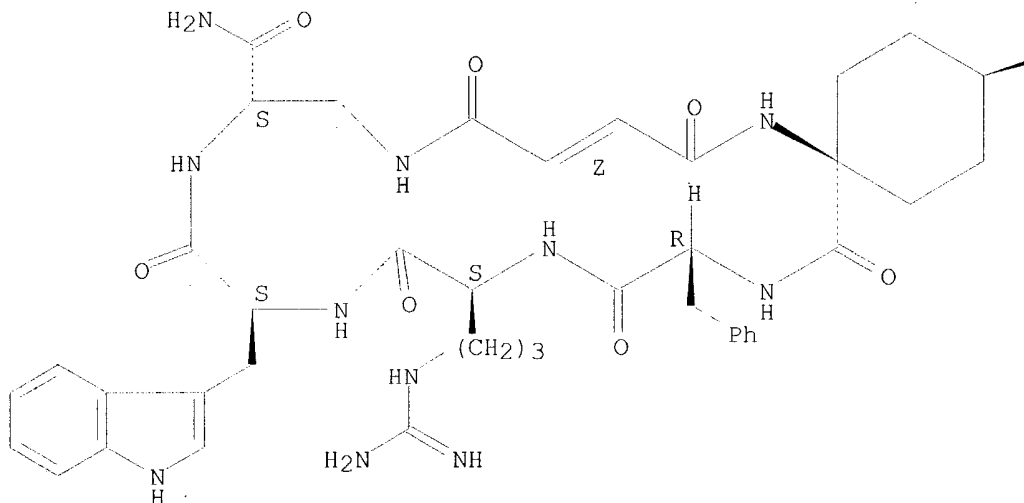
8,11,16,19,22,25-hexaoxo-3-phenyl-23-(phenylmethyl)-, stereoisomer (9CI)
(CA INDEX NAME)

FS PROTEIN SEQUENCE; STEREOSEARCH
MF C46 H55 N11 O7
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

RELATED SEQUENCES AVAILABLE WITH SEQLINK

Absolute stereochemistry.
Double bond geometry as described by E or Z.

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PAGE 1-B

Ph

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

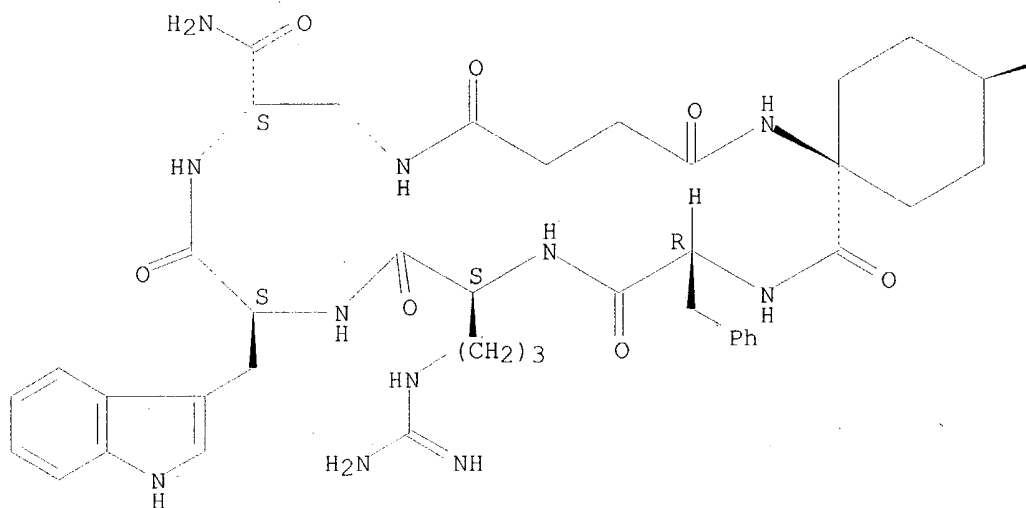
REFERENCE 1: 136:217052

L5 ANSWER 18 OF 37 REGISTRY COPYRIGHT 2004 ACS on STN
RN 402788-40-3 REGISTRY
CN 7,12,15,18,21,24-Hexaazaspiro[5.19]pentacosane-14-carboxamide,
20-[3-[(aminoiminomethyl)amino]propyl]-17-(1H-indol-3-ylmethyl)-
8,11,16,19,22,25-hexaoxo-3-phenyl-23-(phenylmethyl)-, stereoisomer (9CI)
(CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
MF C46 H57 N11 O7
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

RELATED SEQUENCES AVAILABLE WITH SEQLINK

Absolute stereochemistry.

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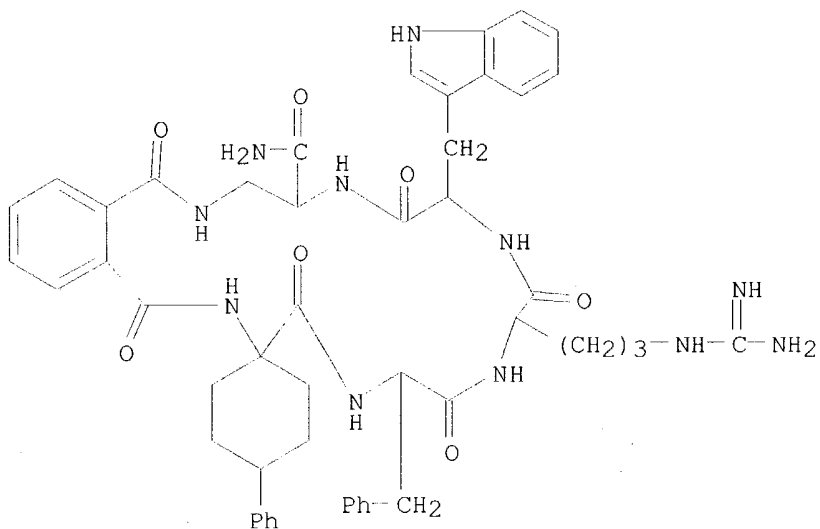
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1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 136:217052

L5 ANSWER 19 OF 37 REGISTRY COPYRIGHT 2004 ACS on STN
 RN 402788-39-0 REGISTRY
 CN L-Alaninamide, (1.alpha.,4.alpha.)-1-[(2-carboxybenzoyl)amino]-4-phenylcyclohexanecarbonyl-D-phenylalanyl-L-arginyl-L-tryptophyl-3-amino-, (1.fwdarw.5)-lactam (9CI) (CA INDEX NAME)
 FS PROTEIN SEQUENCE; STEREOSEARCH
 MF C50 H57 N11 O7
 SR CA
 LC STN Files: CA, CAPLUS, USPATFULL

RELATED SEQUENCES AVAILABLE WITH SEQLINK



1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

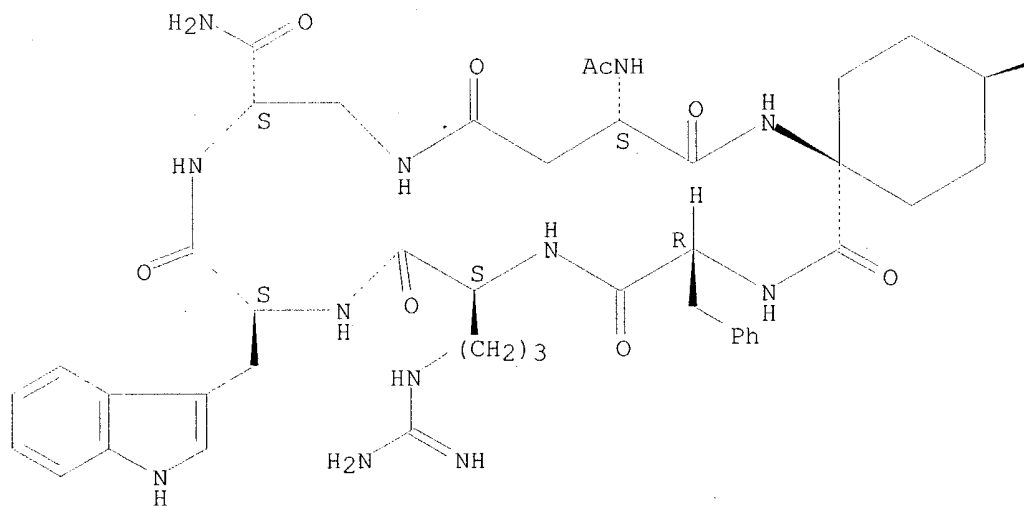
REFERENCE 1: 136:217052

L5 ANSWER 20 OF 37 REGISTRY COPYRIGHT 2004 ACS on STN
RN 402788-38-9 REGISTRY
CN 7,12,15,18,21,24-Hexaazaspiro[5.19]pentacosane-14-carboxamide,
9-(acetylamino)-20-[3-[(aminoiminomethyl)amino]propyl]-17-(1H-indol-3-
ylmethyl)-8,11,16,19,22,25-hexaoxo-3-phenyl-23-(phenylmethyl)-,
stereoisomer (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
MF C48 H60 N12 O8
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

RELATED SEQUENCES AVAILABLE WITH SEQLINK

Absolute stereochemistry.

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PAGE 1-B

Ph

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 136:217052

L5 ANSWER 21 OF 37 REGISTRY COPYRIGHT 2004 ACS on STN

RN 402788-37-8 REGISTRY

CN 7,12,15,18,21,24-Hexaazaspiro[5.19]pentacosane-14-carboxamide,
 20-[3-[(aminoiminomethyl)amino]propyl]-17-(1H-indol-3-ylmethyl)-
 8,11,16,19,22,25-hexaoxo-9-[(1-oxopentyl)amino]-3-phenyl-23-(phenylmethyl)-
 , stereoisomer (9CI) (CA INDEX NAME)

FS PROTEIN SEQUENCE; STEREOSEARCH

MF C51 H66 N12 O8

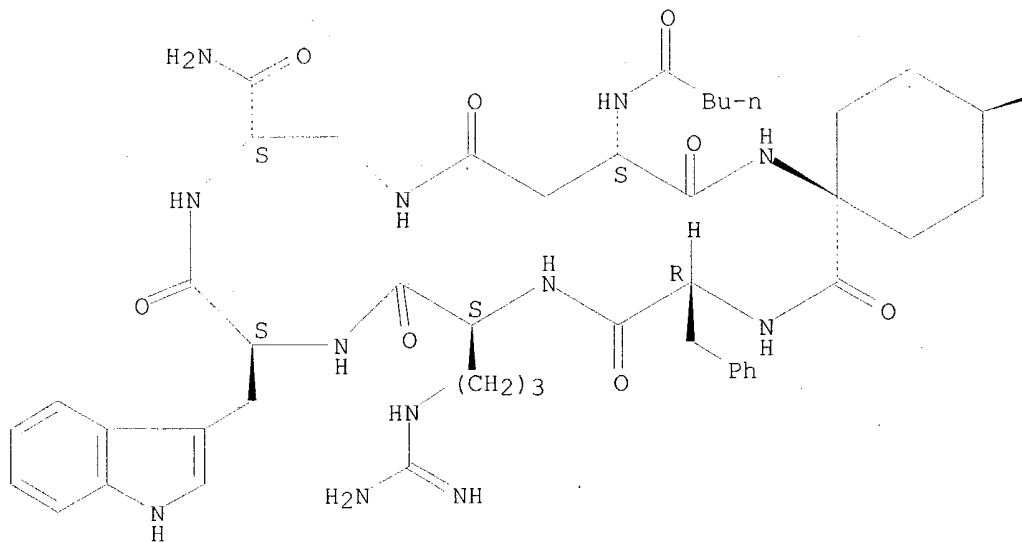
SR CA

LC STN Files: CA, CAPLUS, USPATFULL

RELATED SEQUENCES AVAILABLE WITH SEQLINK

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B

Ph

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

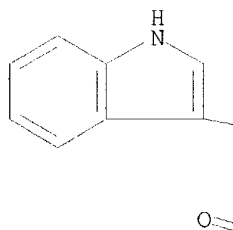
REFERENCE 1: 136:217052

L5 ANSWER 22 OF 37 REGISTRY COPYRIGHT 2004 ACS on STN
RN 402788-36-7 REGISTRY
CN 7,12,16,19,22,25-Hexaazaspiro[5.20]hexacosane-15-carboxamide,
21-[3-[(aminoiminomethyl)amino]propyl]-18-(1H-indol-3-ylmethyl)-
8,11,17,20,23,26-hexaoxo-9-[(1-oxopentyl)amino]-3-phenyl-24-(phenylmethyl)-
, stereoisomer (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
MF C52 H68 N12 O8
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

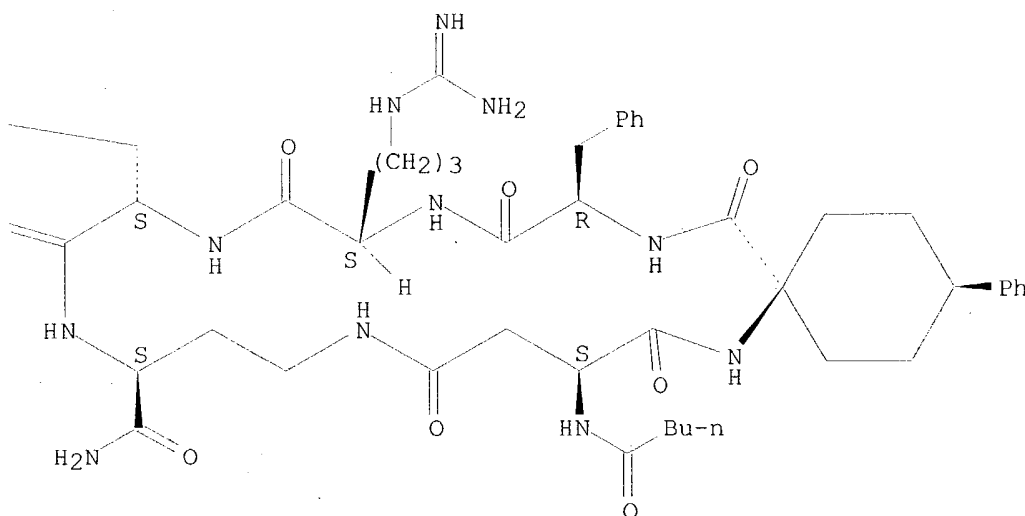
RELATED SEQUENCES AVAILABLE WITH SEQLINK

Absolute stereochemistry.

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PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

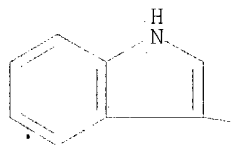
REFERENCE 1: 136:217052

L5 ANSWER 23 OF 37 REGISTRY COPYRIGHT 2004 ACS on STN
 RN 402788-35-6 REGISTRY
 CN 7,12,17,20,23,26-Hexaazaspiro[5.21]heptacosane-16-carboxamide,
 22-[3-[(aminoiminomethyl)amino]propyl]-19-(1H-indol-3-ylmethyl)-
 8,11,18,21,24,27-hexaazo-9-[(1-oxopentyl)amino]-3-phenyl-25-(phenylmethyl)-
 , stereoisomer (9CI) (CA INDEX NAME)
 FS PROTEIN SEQUENCE; STEREOSEARCH
 MF C53 H70 N12 O8
 SR CA
 LC STN Files: CA, CAPLUS, USPATFULL

RELATED SEQUENCES AVAILABLE WITH SEQLINK

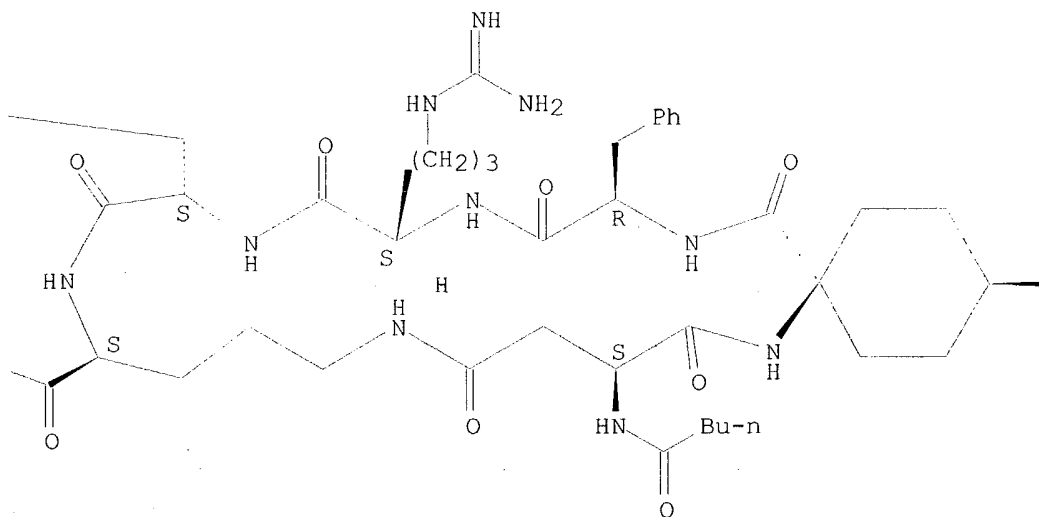
Absolute stereochemistry.

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H₂N

PAGE 1-B



PAGE 1-C

Ph

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 136:217052

L5 ANSWER 24 OF 37 REGISTRY COPYRIGHT 2004 ACS on STN
RN 402788-34-5 REGISTRY
CN L-Lysinamide, N-(1-oxopentyl)-L-.alpha.-glutamyl-(1.alpha.,4.alpha.)-1-
amino-4-phenylcyclohexanecarbonyl-D-phenylalanyl-L-arginyl-L-tryptophyl-,
(1.fwdarw.6)-lactam (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
MF C55 H74 N12 O8
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

RELATED SEQUENCES AVAILABLE WITH SEQLINK

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

*** USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE ***

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 136:217052

L5 ANSWER 25 OF 37 REGISTRY COPYRIGHT 2004 ACS on STN
RN 402788-33-4 REGISTRY
CN 7,12,18,21,24,27-Hexaazaspiro[5.22]octacosane-17-carboxamide,
23-[3-[(aminoiminomethyl)amino]propyl]-20-(1H-indol-3-ylmethyl)-3-(4-
methylphenyl)-8,11,19,22,25,28-hexaoxo-9-[(1-oxopentyl)amino]-26-
(phenylmethyl)-, stereoisomer (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
MF C55 H74 N12 O8
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

RELATED SEQUENCES AVAILABLE WITH SEQLINK

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

*** USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE ***

2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 138:313897

REFERENCE 2: 136:217052

L5 ANSWER 26 OF 37 REGISTRY COPYRIGHT 2004 ACS on STN
RN 402788-32-3 REGISTRY
CN 7,12,18,21,24,27-Hexaazaspiro[5.22]octacosane-17-carboxamide,
23-[3-[(aminoiminomethyl)amino]propyl]-3-(4-chlorophenyl)-20-(1H-indol-3-ylmethyl)-8,11,19,22,25,28-hexaoxo-9-[(1-oxopentyl)amino]-26-(phenylmethyl)-, stereoisomer (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
MF C54 H71 Cl N12 O8
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

RELATED SEQUENCES AVAILABLE WITH SEQLINK

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

*** USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE ***

2 REFERENCES IN FILE CA (1907 TO DATE)

2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 138:313897

REFERENCE 2: 136:217052

L5 ANSWER 27 OF 37 REGISTRY COPYRIGHT 2004 ACS on STN
RN 402788-31-2 REGISTRY
CN 7,12,18,21,24,27-Hexaazaspiro[5.22]octacosane-17-carboxamide,
23-[3-[(aminoiminomethyl)amino]propyl]-20-(1H-indol-3-ylmethyl)-3-(3-methoxyphenyl)-8,11,19,22,25,28-hexaoxo-9-[(1-oxopentyl)amino]-26-(phenylmethyl)-, stereoisomer (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
MF C55 H74 N12 O9
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

RELATED SEQUENCES AVAILABLE WITH SEQLINK

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

*** USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE ***

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 136:217052

L5 ANSWER 28 OF 37 REGISTRY COPYRIGHT 2004 ACS on STN
RN 402788-30-1 REGISTRY
CN 7,12,18,21,24,27-Hexaazaspiro[5.22]octacosane-17-carboxamide,
23-[3-[(aminoiminomethyl)amino]propyl]-20-(1H-indol-3-ylmethyl)-3-[4-(1-methylethoxy)phenyl]-8,11,19,22,25,28-hexaoxo-9-[(1-oxopentyl)amino]-26-(phenylmethyl)-, stereoisomer (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
MF C57 H78 N12 O9
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

RELATED SEQUENCES AVAILABLE WITH SEQLINK

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

*** USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE ***

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 136:217052

L5 ANSWER 29 OF 37 REGISTRY COPYRIGHT 2004 ACS on STN
RN 402788-29-8 REGISTRY
CN 7,12,18,21,24,27-Hexaazaspiro[5.22]octacosane-17-carboxamide,
23-[3-[(aminoiminomethyl)amino]propyl]-3-(4-ethoxyphenyl)-20-(1H-indol-3-
ylmethyl)-8,11,19,22,25,28-hexaexo-9-[(1-oxopentyl)amino]-26-
(phenylmethyl)-, stereoisomer (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
MF C56 H76 N12 O9
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

RELATED SEQUENCES AVAILABLE WITH SEQLINK

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

*** USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE ***
2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 138:313897

REFERENCE 2: 136:217052

L5 ANSWER 30 OF 37 REGISTRY COPYRIGHT 2004 ACS on STN
RN 402788-28-7 REGISTRY
CN 7,12,18,21,24,27-Hexaazaspiro[5.22]octacosane-17-carboxamide,
23-[3-[(aminoiminomethyl)amino]propyl]-20-(1H-indol-3-ylmethyl)-3-(4-
methoxyphenyl)-8,11,19,22,25,28-hexaexo-9-[(1-oxopentyl)amino]-26-
(phenylmethyl)-, stereoisomer (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
MF C55 H74 N12 O9
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

RELATED SEQUENCES AVAILABLE WITH SEQLINK

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

*** USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE ***
2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 138:313897

REFERENCE 2: 136:217052

L5 ANSWER 31 OF 37 REGISTRY COPYRIGHT 2004 ACS on STN
RN 402788-27-6 REGISTRY
CN 7,12,18,21,24,27-Hexaazaspiro[5.22]octacosane-17-carboxamide,
23-[3-[(aminoiminomethyl)amino]propyl]-3-(4-hydroxyphenyl)-20-(1H-indol-3-
ylmethyl)-8,11,19,22,25,28-hexaexo-9-[(1-oxopentyl)amino]-26-
(phenylmethyl)-, stereoisomer (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
MF C54 H72 N12 O9
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

RELATED SEQUENCES AVAILABLE WITH SEQLINK

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

*** USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE ***

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 136:217052

L5 ANSWER 32 OF 37 REGISTRY COPYRIGHT 2004 ACS on STN
RN 402788-26-5 REGISTRY
CN L-Lysinamide, (1.alpha.,4.alpha.)-1-[(2-carboxybenzoyl)amino]-4-phenylcyclohexanecarbonyl-D-phenylalanyl-L-arginyl-L-tryptophyl-, (1.fwdarw.5)-lactam (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
MF C53 H63 N11 O7
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

RELATED SEQUENCES AVAILABLE WITH SEQLINK

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

*** USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE ***
1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 136:217052

L5 ANSWER 33 OF 37 REGISTRY COPYRIGHT 2004 ACS on STN
RN 402788-25-4 REGISTRY
CN 7,12,18,21,24,27-Hexaazaspiro[5.22]octacos-9-ene-17-carboxamide, 23-[3-[(aminoiminomethyl)amino]propyl]-20-(1H-indol-3-ylmethyl)-8,11,19,22,25,28-hexaoxo-3-phenyl-26-(phenylmethyl)-, stereoisomer (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
MF C49 H61 N11 O7
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

RELATED SEQUENCES AVAILABLE WITH SEQLINK

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

*** USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE ***
1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 136:217052

L5 ANSWER 34 OF 37 REGISTRY COPYRIGHT 2004 ACS on STN
RN 402788-24-3 REGISTRY
CN 7,12,18,21,24,27-Hexaazaspiro[5.22]octacosane-17-carboxamide, 23-[3-[(aminoiminomethyl)amino]propyl]-20-(1H-indol-3-ylmethyl)-8,11,19,22,25,28-hexaoxo-3-phenyl-26-(phenylmethyl)-, stereoisomer (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
MF C49 H63 N11 O7
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

RELATED SEQUENCES AVAILABLE WITH SEQLINK

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

*** USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE ***
1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 136:217052

L5 ANSWER 35 OF 37 REGISTRY COPYRIGHT 2004 ACS on STN
RN 402788-23-2 REGISTRY
CN 7,12,18,21,24,27-Hexaazaspiro[5.22]octacosane-17-carboxamide,
23-[3-[(aminoiminomethyl)amino]propyl]-21-methyl-20-(2-naphthalenylmethyl)-
8,11,19,22,25,28-hexaoxo-9-[(1-oxopentyl)amino]-3-phenyl-26-(phenylmethyl)-
, stereoisomer (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
MF C57 H75 N11 O8
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

RELATED SEQUENCES AVAILABLE WITH SEQLINK

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

*** USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE ***
1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 136:217052

L5 ANSWER 36 OF 37 REGISTRY COPYRIGHT 2004 ACS on STN
RN 402788-22-1 REGISTRY
CN 7,12,18,21,24,27-Hexaazaspiro[5.22]octacosane-17-carboxamide,
23-[3-[(aminoiminomethyl)amino]propyl]-20-(2-naphthalenylmethyl)-
8,11,19,22,25,28-hexaoxo-9-[(1-oxopentyl)amino]-3-phenyl-26-(phenylmethyl)-
, stereoisomer (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
MF C56 H73 N11 O8
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

RELATED SEQUENCES AVAILABLE WITH SEQLINK

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

*** USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE ***
1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 136:217052

L5 ANSWER 37 OF 37 REGISTRY COPYRIGHT 2004 ACS on STN
RN 402788-21-0 REGISTRY
CN 7,12,18,21,24,27-Hexaazaspiro[5.22]octacosane-17-carboxamide,
23-[3-[(aminoiminomethyl)amino]propyl]-20-(1H-indol-3-ylmethyl)-
8,11,19,22,25,28-hexaoxo-9-[(1-oxopentyl)amino]-3-phenyl-26-(phenylmethyl)-
, stereoisomer (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
MF C54 H72 N12 O8
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

RELATED SEQUENCES AVAILABLE WITH SEQLINK

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

*** USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE ***
2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 138:313897

REFERENCE 2: 136:217052

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